





PVC Conduit and Fittings Technical Guide and Product Brochure


Muna Noor Manufacturing & Trading LLC.

 Rusayl Industrial Estate,
Road No. 4D
Sultanate of Oman

Factories in Rusayl and Sohar

 H.O. 2444 2500

Retail Outlets

 Barka: 9261 8040 | Sohar: 99204820
Salalah: 92219849 | Nizwa: 9825 1932

Conduits

uPVC conduits are manufactured from unplasticised polyvinyl chloride polymer in Muna Noor's PVC Pipe manufacturing plant in Oman. Conduit ducts, fittings and related products are available in sizes ranging from 19mm up to 50mm and Designed for solvent weld joints. In addition to the manufactured conduits, Muna Noor is able to supply a wide range of accessories including: Bends, Couplers, End Caps and Bell Mouths.

PVC conduits are suitable for the following applications:

- ◆ Electrical
- ◆ Telecommunication
- ◆ Ethernet and Fiber Optic
- ◆ Other conduit applications



Main Features:

- ◆ Reliability and proven service performance
- ◆ Complete conduit systems
- ◆ Smooth bore for easy cable drawing
- ◆ Minimal maintenance
- ◆ Lightweight, easy handling and installation
- ◆ Manufactured according to local and international standards

PVC Conduits

PVC conduits are widely used in electrical and construction industries for their versatility, durability and cost-effectiveness. Muna Noors conduits are designed to protect and route electrical wiring and cables, safeguarding them from environmental factors such as moisture, corrosion and physical damage. Muna Noor manufactures conduit pipes in a variety of sizes and standards for all applications ranging from residential to industrial projects and always manufactured to the listed standard with exceptional quality.

PVC-U CONDUITS

OMANI STANDARD 109/1986

Standard Length: 3 Metres
Colour: Black

Size	Outside Diameter mm		Inside Diameter mm	Wall Thickness mm	
	Min.	Max.		Min.	Max.
20	19.7	20.3	16.9	1.4	1.55
25	24.6	25	21.4	1.55	1.75
32	31.6	32	27.8	1.9	2.10

PVC-U CONDUITS FOR CABLES

TO BS EN 61386-1

1. HEAVY DUTY CONDUITS

Size	Outside Diameter mm		Inside Diameter mm	Wall Thickness mm	
	Min.	Max.		Min.	Max.
20	19.7	20	15.8	1.80	2.10
25	24.6	25	20.6	1.90	2.20
32	31.6	32	26.6	2.40	2.70
40	39.6	40	34.4	2.50	2.80
50	49.5	50	43.2	3.10	3.40

Heavy duty conduit products are ideal for industrial and extreme applications, with a higher wall thickness they can withstand the toughest environment.

2. MEDIUM DUTY CONDUITS

Often used in residential construction projects, these conduits are the perfect balance of durability and cost effectiveness

Size	Outside Diameter mm		Inside Diameter mm	Wall Thickness mm	
	Min.	Max.		Min.	Max.
20	19.7	20	16.9	1.40	1.55
25	24.6	25	21.4	1.60	1.80
32	31.6	32	27.8	1.80	2.00
40	39.6	40	35.4	2.00	2.30
50	49.5	50	44.3	2.50	2.80

3. LIGHT DUTY CONDUITS

Size	Outside Diameter mm		Inside Diameter mm	Wall Thickness mm	
	Min.	Max.		Min.	Max.
20	19.7	20	17.40	1.10	1.30
25	24.6	25	22.10	1.20	1.40
32	31.6	32	28.60	1.50	1.70
40	39.6	40	35.80	1.80	2.10
50	49.5	50	45.1	2.10	2.40

The most cost effective conduit option for light duty applications and environments



Conduit Fittings

In addition to the wide range of conduit pipes, Muna Noor manufactures a wide variety of PVC Conduit fittings made to the international standard BS 4607 available in sizes 19mm, 20mm and 25mm.



1 Way Junction Box

	Standard	Nominal Size	Base Diameter	Screw to screw distance	Branch Length min	Branch ID min	Total Length
19mm	MNOP-04	19mm	64.4mm	50.8mm	19mm	18.85mm	85mm
20mm	BS4607	20mm	64.4mm	50.8mm	20mm	19.7mm	85mm
25mm	Bs4607	25mm	64.4mm	50.8mm	25mm	24.6mm	90mm



2 Way Junction Box

	Standard	Nominal Size	Base Diameter	Screw to screw distance	Branch Length min	Branch ID min	Total Length
19mm	MNOP-04	19mm	64.4mm	50.8mm	19mm	18.85mm	105mm
20mm	BS4607	20mm	64.4mm	50.8mm	20mm	19.7mm	105mm
25mm	Bs4607	25mm	64.4mm	50.8mm	25mm	24.6mm	115mm



3 WAY JUNCTION BOX

	Standard	Nominal Size	Base Diameter	Screw to screw distance	Branch Length min	Branch ID min	Total Length
19mm	MNOP-04	19mm	64.4mm	50.8mm	19mm	18.85mm	105mm & 85mm
20mm	BS4607	20mm	64.4mm	50.8mm	20mm	19.7mm	105mm
25mm	Bs4607	25mm	64.4mm	50.8mm	25mm	24.6mm	115mm



4 Way Junction Box

	Standard	Nominal Size	Base Diameter	Screw to screw distance	Branch Length min	Branch ID min	Total Length
19mm	MNOP-04	19mm	64.4mm	50.8mm	19mm	18.85mm	85mm
20mm	BS4607	20mm	64.4mm	50.8mm	20mm	19.7mm	85mm
25mm	Bs4607	25mm	64.4mm	50.8mm	25mm	24.6mm	90mm



4 Way Parallel (H) Conduit Box

	Standard	Nominal Size	Base Diameter	Screw to screw distance	Branch Length min	Branch ID min	Total Length
19mm	MNOP-04	19mm	64.4mm	50.8mm	19mm	18.85mm	85mm
20mm	BS4607	20mm	64.4mm	50.8mm	20mm	19.7mm	85mm
25mm	Bs4607	25mm	64.4mm	50.8mm	25mm	24.6mm	90mm



Conduit Box Cover

	Standard	Nominal Size	Base Diameter	Fitment
19mm	MNOP-04	19mm	65mm	Screw Type
20mm	BS4607	20mm	65mm	Screw Type
25mm	Bs4607	25mm	65mm	Screw Type



MTA

	Standard	Nominal Size	MTA Body Diameter	MTA Body ID	MTA Body Length	MTA Body Thread Pitch	MTA Nut Diameter	MTA Nut ID	Fitment
19mm	MNOP-04	19mm	23mm	19mm	31mm	1.5mm	24mm	17.5	Threaded
20mm	BS4607	20mm	24mm	19.7mm	32mm	1.5mm	24mm	18.5	Threaded
25mm	Bs4607	25mm	28mm	24.6mm	37mm	1.5mm	30mm	23.5mm	Threaded



FTA

	Standard	Nominal Size	FTA Body Diameter	FTY Body ID	FTA Body Length	FTA Locking Ring Length	FTA Locking Ring Dia	Fitment
19mm	MNOP-04	19mm	23mm	19mm	32.5mm	14mm	20mm	Threaded
20mm	BS4607	20mm	24mm	20mm	34.1mm	15mm	21.5mm	Threaded
25mm	Bs4607	25mm	29mm	25mm	38mm	16mm	28mm	Threaded



PVC Fire Retardant Conduits and Fittings

All Muna Noor conduits can be manufactured with a special blend of PVC material with added properties to increase their resistance to fires. Fire-retardant conduits are an essential component in environments with increased hazards and risks of fire. These premium conduits offer a range of advantages that contribute to the safety, longevity, and efficiency of electrical systems and are specifically designed to withstand the spread of fire and limit its impact, making them a crucial choice in various applications. Here are some key benefits of fire-retardant PVC conduits:

Fire Resistance

The primary benefit of fire-retardant PVC conduits is their ability to resist the propagation of fire. These conduits are formulated with additives that slow down the combustion process, reducing the rate at which the material burns and emits harmful gases. This property helps contain fires, providing valuable time for evacuation and firefighting efforts.

Enhanced Safety

Fire-retardant PVC conduits significantly contribute to overall safety in residential, commercial, and industrial settings. By impeding the spread of flames and toxic smoke, they help minimize the risk of injury, loss of life, and property damage during a fire event.

Reduced Smoke Emissions

When exposed to fire, traditional PVC conduits can release thick, toxic smoke that can hinder visibility, cause respiratory issues, and exacerbate fire hazards. Fire-retardant PVC conduits are designed to emit significantly lower levels of smoke, helping create a safer environment for building occupants and emergency responders.

Longevity

Fire-retardant PVC conduits often exhibit greater durability and resistance to environmental factors compared to non-fire-retardant alternatives. This durability extends the lifespan of the conduits, leading to reduced maintenance costs and increased overall system reliability.

Fire retardant conduits self extinguish 6X faster than standard PVC Conduits

30_{sec}
Normal
Conduits

5_{sec}
Fire Retardant
Conduits

Other Telecom Products

u-PVC Pipe Duct Applications

In requirements Greater than the PVC conduit range, standard PVC pipes can also be used in ducting applications. Muna Noor manufactures PVC duct up to 400mm for a wide variety of applications and cable protection needs.



HDPE DWC Duct

110mm and 10mm double wall corrugated duct (DWC) is the premium product for commercial cable protection needs. 100m coil lengths, lightweight and flexible make this a premium product for both residential and industrial applications



Micro/Bundle Duct

For advanced cabling operations on an industrial scale, Muna Noor is proud to supply micro and bundle duct products. Perfect for fiber optic cable and other Telecommunications infrastructure projects





Please note that the information contained in this catalogue may be subject to inaccuracies and that all technical details and specifications should be verified before making any purchasing decisions.

For any questions or further information please contact one of our world class customer service representatives



+968 24442500



info@munanoor.com



www.munanoor.com



Road # 4D, Rusayl Industrial Estate,
Sultanate of Oman